IN THE CLAIMS:

Please amend Claims 1, 10, and 13.

What is claimed is:

- 1 1. (Currently Amended) A rotary impeller for a tailings conveyor of an agricultural
- 2 combine, for threshing tailings and propelling the tailings through a portion of the
- 3 conveyor, the impeller comprising:
- 4 a mounting portion mountable to a rotatable member of the conveyor for rotation
- 5 therewith in a predetermined rotational direction about a rotational axis;
- a plurality of blades extending generally radially outwardly from the mounting
- 7 portion, each of the blades including a surface facing in the rotational direction including
- 8 a radially outermost threshing portion for threshing the tailings and propelling the tailings
- 9 in the rotational direction through the portion of the conveyor, and a tailings deflecting
- portion disposed between the threshing portion and the mounting portion, the radially
- 11 outermost threshing portion and the tailings deflecting portion being of indivisible unitary
- 12 construction, the tailings deflecting portion having a convex shape for deflecting tailings
- contacted thereby during the rotation in a radially outward direction into a rotational path
- 14 of the threshing portion for threshing and propelling in the rotational direction thereby
- 15 through the portion of the conveyor.
- 1 2. (Original) The impeller of claim 1, wherein the threshing portion of the surface
- 2 of each blade is swept back relative to the rotational direction at about a 30° angle to a
- 3 radial innermost portion of the surface disposed between the deflecting portion and the
- 4 mounting element.

- 1 3. (Original) The impeller of claim 1, wherein the radially outermost portions of the
- 2 blades each have a predetermined extent in the direction of rotation greater than an extent
- 3 in the rotational direction of the deflecting portions of the blades, respectively, so as to be
- 4 capable of wearing away by an amount only marginally less than the predetermined
- 5 extent while substantially maintaining an original radial extent of the blades.
- 1 4. (Original) The impeller of claim 1, wherein the deflecting portion will lead the
- 2 threshing portion as the impeller is rotated in the rotational direction, such that at least
- 3 some of the tailings deflected by the deflecting portion will be deflected radially
- 4 outwardly forwardly of the threshing portion.
- 1 5. (Original) The impeller of claim I, including four of the blades located at equally
- 2 angularly spaced locations around the mounting portion.
- 1 6. (Original) The impeller of claim 1, further comprising webs connecting adjacent
- 2 ones of the blades adjacent to the mounting portion, for limiting axial movement of the
- 3 tailings during the rotation of the impeller.
- 1 7. (Original) The impeller of claim 1, wherein the threshing portion of each of the
- 2 blades is swept back in the rotational direction relative to the deflecting portion so as to
- 3 define a threshing space radially outwardly of the deflecting portion and forwardly of the
- 4 threshing portion in the rotational direction, wherein elements of the tailings will be
- 5 threshed by being propelled by the blade into one another and against an adjacent radially
- 6 inwardly facing surface of a housing of the conveyor.

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- 1 8. (Original) The impeller of claim 7, wherein the swept back threshing portions of
- 2 the blades each have a radial extent so as to be located in predetermined closely radially
- 3 spaced relation to a radially inwardly facing surface of the portion of the conveyor for
- 4 limiting passage of the tailings between the threshing portions and the inwardly facing
- 5 surface, and such that after passing the inwardly facing surface the threshing portions of
- 6 the blades will accelerate and propel the tailings radially into another portion of the
- 7 conveyor.
- 1 9. (Original) The impeller of claim 1 wherein the radially outermost threshing
- 2 portion of the surface of each of the blades is at least substantially flat, and each of the
- 3 blades includes a radially outermost tip portion which has a predetermined extent in the
- 4 rotational direction which is greater than an extent of other portions of the blade in the
- 5 rotational direction such that the threshing portion of the surface can abrade away by an
- 6 amount up just less than the predetermined extent while the radial extent of the blade
- 7 remains substantially constant.
- 1 10. (Currently Amended) A rotary impeller for a tailings conveyor of an agricultural
- 2 combine, rotatable in closely spaced relation to an inner surface portion of a housing of
- 3 the conveyor for propelling tailings through at least a portion of the conveyor while at
- 4 least partially threshing the tailings, comprising:
- 5 a hub mountable to a rotatable element for rotation therewith in the housing in a
- 6 predetermined rotational direction about a rotational axis;
- 7 a plurality of impeller blades extending radially outwardly relative to the hub at
- 8 predetermined spaced locations around the rotational axis, each of the blades having a
- 9 swept back shape in the rotational direction including a radial inner portion extending

- 10 generally from the hub to a tailings deflecting portion including a deflecting surface
- 11 facing in the rotational direction, and a radial outer portion extending generally from the
- deflecting portion to a radially outermost tip portion of the blade at an acute angle to the
- radial inner portion, the radially outermost tip portion and the tailings deflecting portion
- 14 being of indivisible unitary construction, the radial outer portion including a tailings
- threshing surface facing in the rotational direction, such that as the impeller is rotated in
- the housing the deflecting surface will contact the tailings and deflect the tailings radially
- outwardly into an area in front of the threshing surface so as to be propelled and
- accelerated thereby in the rotational direction through the housing and threshed by
- contact with other tailings and the inner surface of the housing and the threshing surface.
 - 1 11. (Original) The impeller of claim 10 wherein each of the blades has a
 - 2 predetermined radial extent from the rotational axis to the radial outermost tip portion
 - 3 such that the tip portion will be spaced a predetermined distance from the inner surface
 - 4 portion of the housing during the rotation, and the radially outermost tip portion has a
 - 5 predetermined extent in the rotational direction such that the threshing surface can wear
- 6 away by an amount up just less than the predetermined extent while the radial extent of
- 7 the blade remains substantially constant.
- 1 12. (Original) The impeller of claim 10 wherein the radial outer portion of each of
- 2 the blades is oriented at about a 30 degree angle to the radial inner portion of the blade.
- 1 13. (Currently Amended) A tailings impeller for rotation in closely spaced relation to
- 2 an inner surface portion of a tailings conveyor housing for propelling tailings through the

- 3 housing and threshing the tailings the tailings in cooperation with the inner surface
- 4 portion, comprising:
- a hub mountable to a rotatable element for rotation therewith in the housing in a
- 6 predetermined rotational direction about a rotational axis;
- 7 a plurality of impeller blades connected to the hub and extending radially
- 8 outwardly therefrom at predetermined spaced locations around the rotational axis, each of
- 9 the blades having a radial inner portion extending from the hub to a tailings deflecting
- portion including a deflecting surface facing in the rotational direction, and a radial outer
- portion extending radially outwardly from the deflecting portion in swept back relation
- thereto in the rotational direction, the tailings deflecting portion and the radial outer
- portion being of indivisible unitary construction, the radially outer portion including a
- tailings threshing surface facing in the rotational direction oriented at an acute angle to
- 15 the radial inner portion, such that as the impeller is rotated in the rotational direction the
- 16 deflecting surface will deflect tailings coming in contact therewith radially outwardly into
- an area forwardly of the threshing surface in the rotational direction and guide tailings
- radially outwardly along the blade to the threshing surface so as to be propelled thereby
- in the rotational direction through the housing and threshed by randomly colliding with
- 20 other tailings and contacting the inner surface portion of the housing and the threshing
- 21 surface.
- 1 14. (Original) The impeller of claim 13 wherein each of the blades has a
- 2 predetermined radial extent from the rotational axis to a radial outermost tip portion of
- 3 the blade such that the tip portion will be spaced a predetermined distance from the inner
- 4 surface portion of the housing during the rotation, and the radially outermost tip portion

- 5 has a predetermined extent in the rotational direction such that the threshing surface can
- 6 wear away by an amount up just less than the predetermined extent while the radial
- 7 extent of the blade remains substantially constant.
- 1 15. (Original) The impeller of claim 13 wherein the radial outer portion of each of
- 2 the blades is oriented at about a 30 degree angle to the radial inner portion of the blade.